

Amendments to the Claims

This listing of claims will replace all prior versions, and listings of claims in the application.

Listing of Claims:

Claims 1-2 are cancelled.

3. (currently amended) A waste water treatment system, comprising:
a waste water tank for collecting waste water containing
dimethylsulfoxide;

an aeration tank connected to the waste water tank via a connection pipe
and containing ~~a solution of a porous material~~ waste water treatment agent
consisting essentially of zeolite at a concentration of 6500 to 7500mg/L,
wherein an average size of pore openings of the ~~porous material~~ zeolite is in a
range of 60-550 μ m;

a sedimentation tank connected to the aeration tank via a connection
pipe for biologically decomposing the dimethylsulfoxide and settling sludge
produced therein; and

a treated water tank for returning a portion of treated waste water to the
waste water tank and collecting the remaining treated water therein.

4. (original) The system according to claim 3, wherein the waste water tank contains dimethylsulfoxide oxidized by externally blown air.
5. (original) The system according to claim 3, wherein the connection pipe between the waste water tank and the aeration tank transports the waste water containing dimethylsulfoxide at a rate of 25-35 tons/hr from the waste water tank to the aeration tank.
6. (original) The system according to claim 3, wherein the aeration tank contains over-aerated waste water containing dimethylsulfoxide.
7. (currently amended) The system according to claim 6, wherein ~~demanded~~ dissolved oxygen is 4-5 ppm in the over-aerated waste water.
8. (cancelled).
9. (original) The system according to claim 3, wherein the aeration tank contains sodium hydroxide in an amount of about 2.4 Kg per one ton of the waste water in the aeration tank to maintain the pH in a range of 6.8-7.2.
10. (original) The system according to claim 3, wherein sludge retention time (SRT) is 400 days.